

# Laser Work Update & Schedule

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Oct. 6, 2016

# Laser Trailer



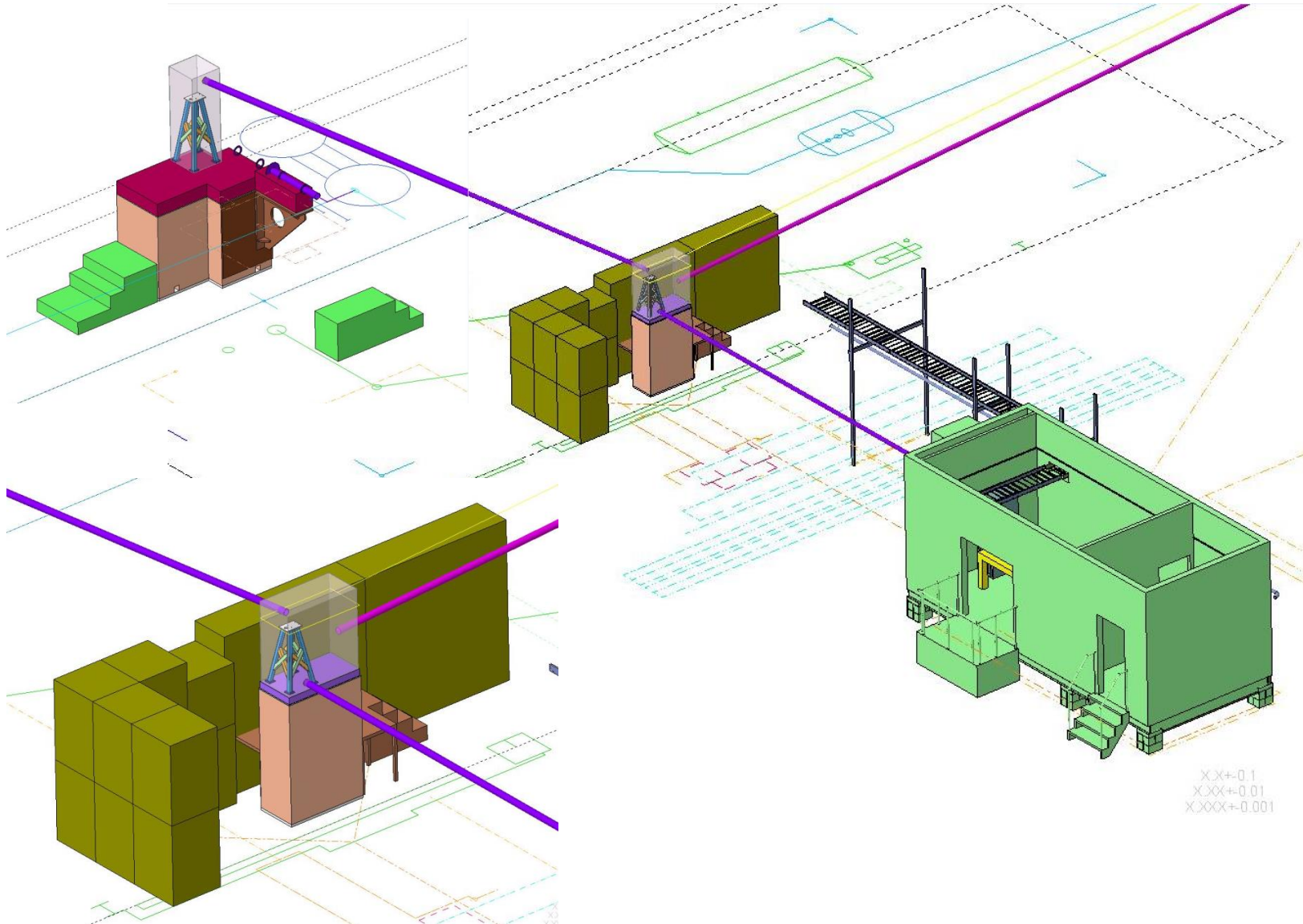
- Laser trailer is back!

# Solutions for Laser Trailer

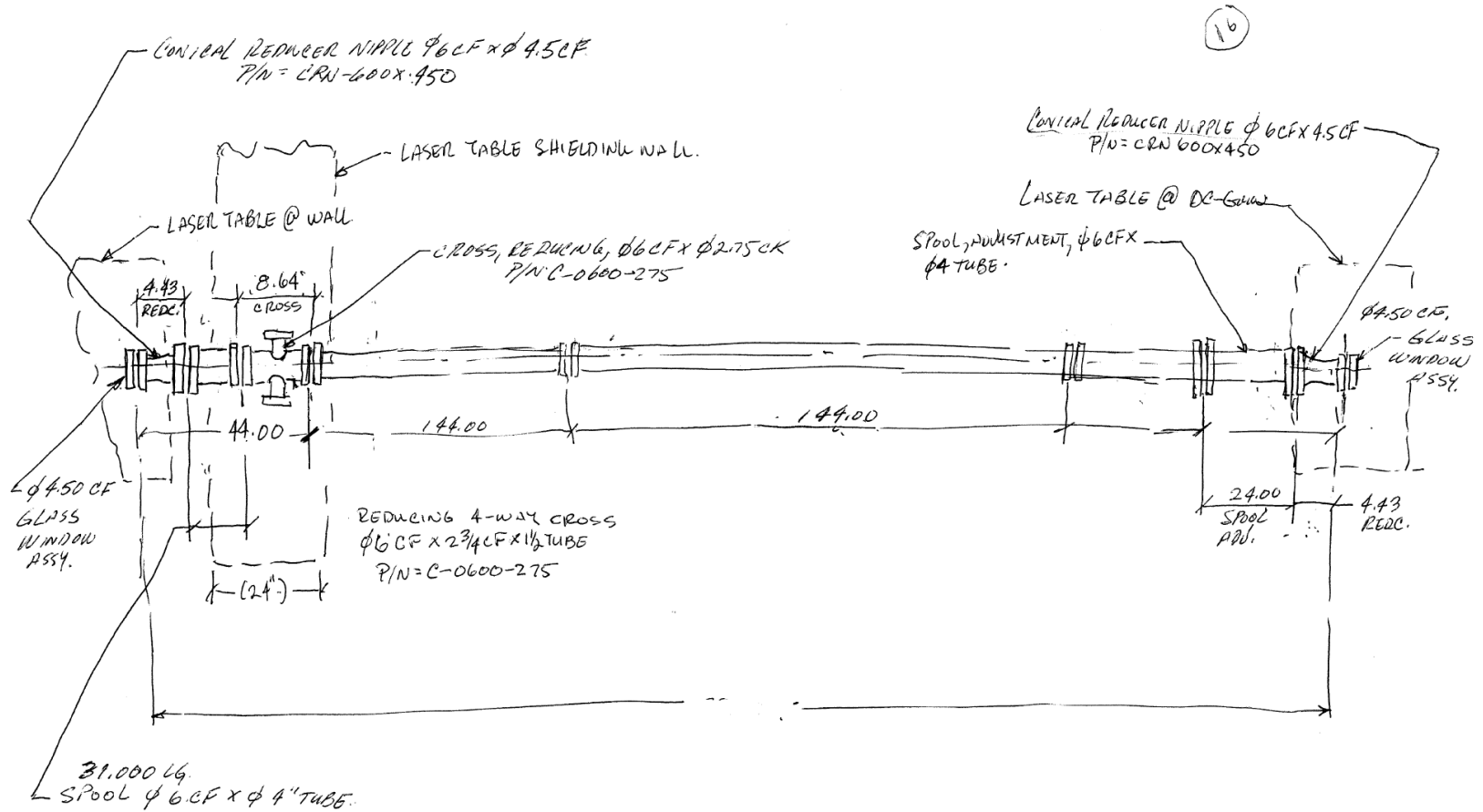
- AC on/off
- Bugs owing to the window and doors
- Main door could not be locked properly
- Shelf for the optical table
- Possible second shelf for oscilloscope, RF & optical analyzers
- Power plug for chillers & safety issue
- Hole for water pipes



# Laser Transport with Support Stands

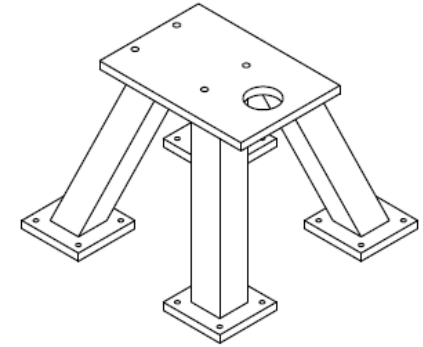
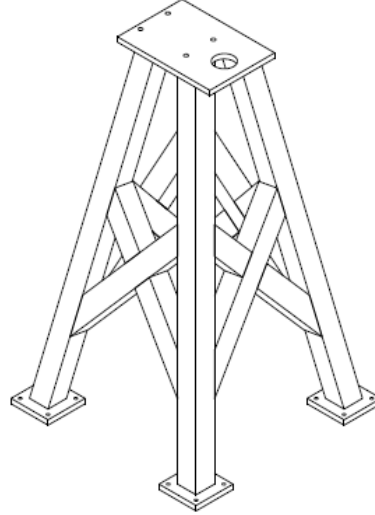
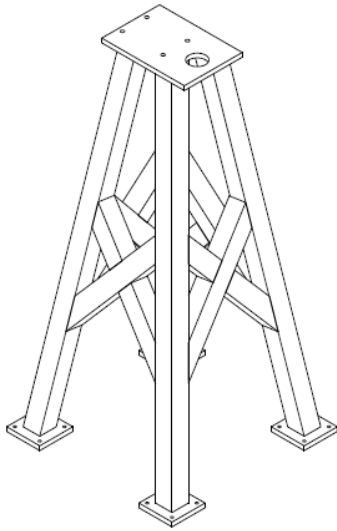


# Vacuum Pipe for Laser Transport



LASER TRANSPORT TUBE ASSY INSIDE IP2  
EL. 80.00" F.F. @ IP2.

# Stands for Laser Mirror

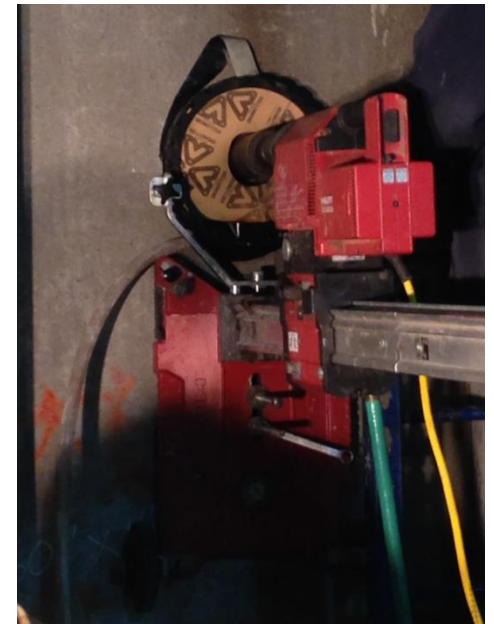


- Stands for gun table, relay table, and laser trailer
- Material order
- schedule

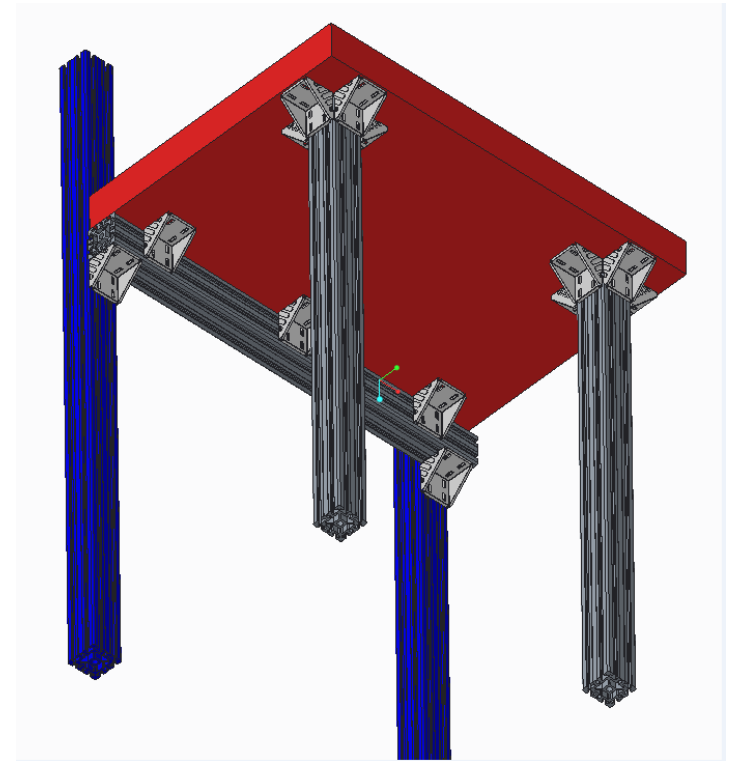
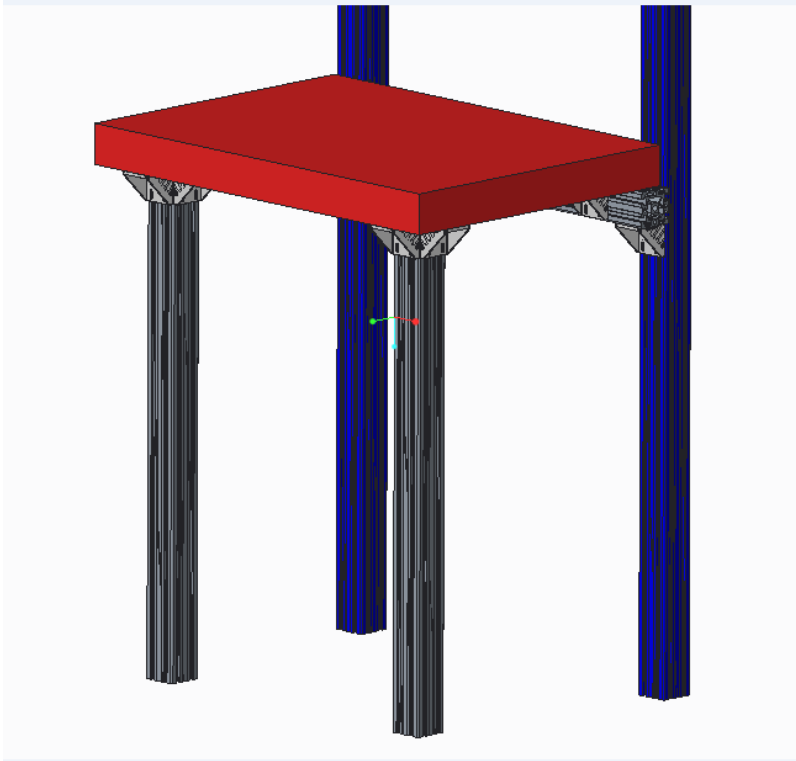


# Laser Transport - Part Update

- Three optical tables: 5x12x2 ft<sup>3</sup>, 2x4x4" ft<sup>2</sup>, 4x6x1 (4") ft<sup>3</sup> & extension
- Concrete supports for the Lego and Relay tables
- View window, flange, vacuum pipe, and mechanical support
- Mirrors, lens, & position feedback
- Mechanical support: Stands for laser beam
- Walls for laser tables
- Cable feedthroughs
- Drilling a hole is underway
- Temperature & humidity control



# Table & Support for CeC - Steven and Dave

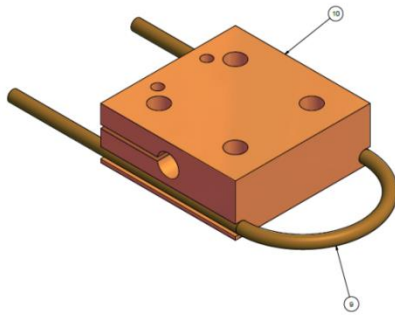


- Table and support: order ?
- Laser transport from relay table to the CeC table ?
- Installation after mid-Nov



# Additional Support

- Heat sink by Dan Lehn
- Rack x 4, 2 layers, <1 foot, by Tony
- Feedthrough cables
- 2-layer Shelf for 5x12 ft<sup>2</sup> table by Dave and Dan



or

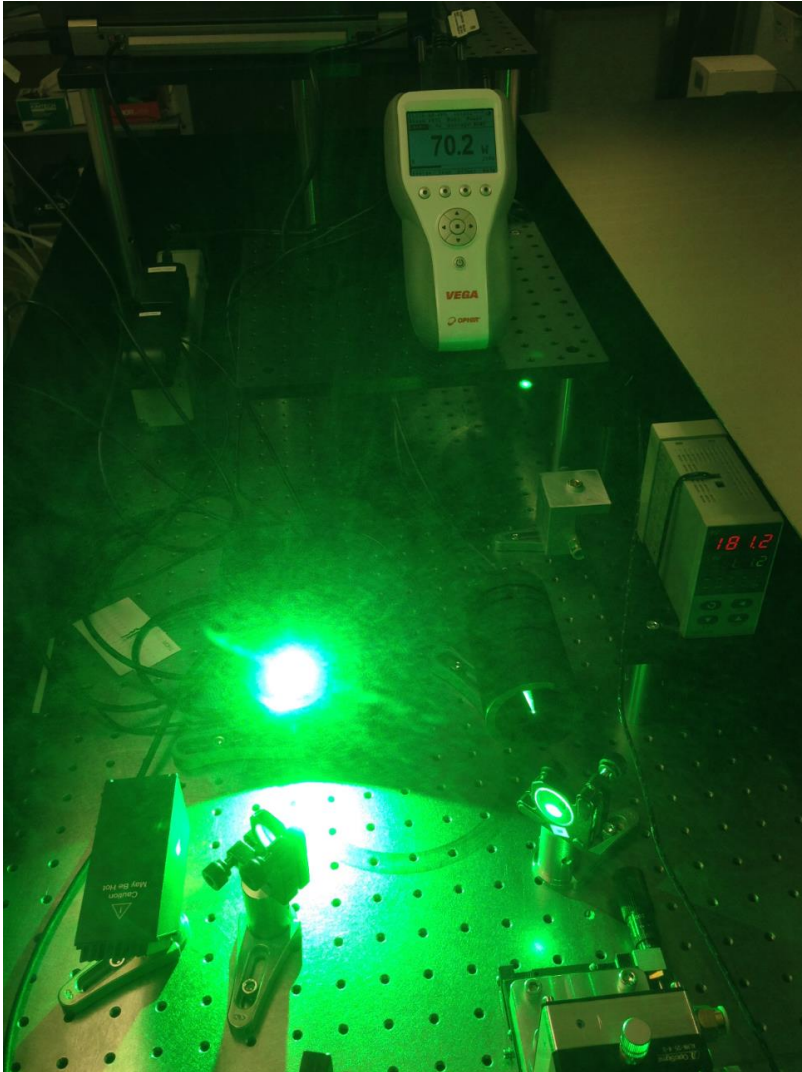


# Table for Shaping & Cross-correlator



- Motion/rotation control
- Laser spatial shaping
- Cross-correlator

# Fiber Laser



- The laser system is back
- Oscillator is more stable